

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF EXISTING LOOP DETECTION TO VIDEO DETECTION AT MD 543 & MD 136, MD 543 & WHEEL ROAD, MD 623 & US 1, AND US 40 & MD 132. THIS PROJECT IS LOCATED HARFORD COUNTY, MARYLAND. MD 543 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. MD 623 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

MD 543 AND WHEEL ROAD

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MD 543 AND MD 136

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE DETECTOR RACK WILL BE RETRO-FITTED WITH ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER.

U.S. 1 AND MD 623

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE DETECTOR RACK WILL BE RETRO-FITTED WITH ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER.

U.S. 40 AND MD 132

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
* 9016	2 EACH	4 CHANNEL DETECTOR AMPLIFIER
* 9046	2 EACH	DETECTOR RACK RETROFIT
* 9086	4 EACH	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS
* To Be Installed by SHA SIGNAL SHOP		

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8003	2 EACH	CLAMP ON VIDEO CAMERA ARM
8006	1 EACH	REMOVE AND DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT
8007	11 EACH	VIDEO DETECTION CAMERA & CABLE
8011	430 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - BORED
8013	55 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - TRENCHED
8018	6 EACH	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
8019	13 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.04-01 (SHOULDER WORK)	STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)	STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)	
STANDARD NO. MD-104.04-07 (CENTER LANE CLOSURE)	

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA  
ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
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MR. ANDRE FUTRELL  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
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DISTRICT UTILITY ENGINEER  
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ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION  
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CHIEF, TRAFFIC OPERATIONS DIVISION  
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TOD NO:XX356-04  
SHA NO:HA378K52  
US 1,US 40,MD 543 V.L.



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
Video Detection Upgrades  
U.S. 40, U.S. 1 and MD 543

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE 9/25/2009 CONTRACT NO. XX356-04/08

DESIGNED BY	S. Bloss	COUNTY	Harford
DRAWN BY	S. Bloss	LOGMILE	
CHECKED BY	N. Leary	TIMS NO.	J906
F.A.P. NO.		TOD NO.	

TS NO.	DRAWING TSP-6	OF 6	SHEET NO. 6	OF 6
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